FIG. 1

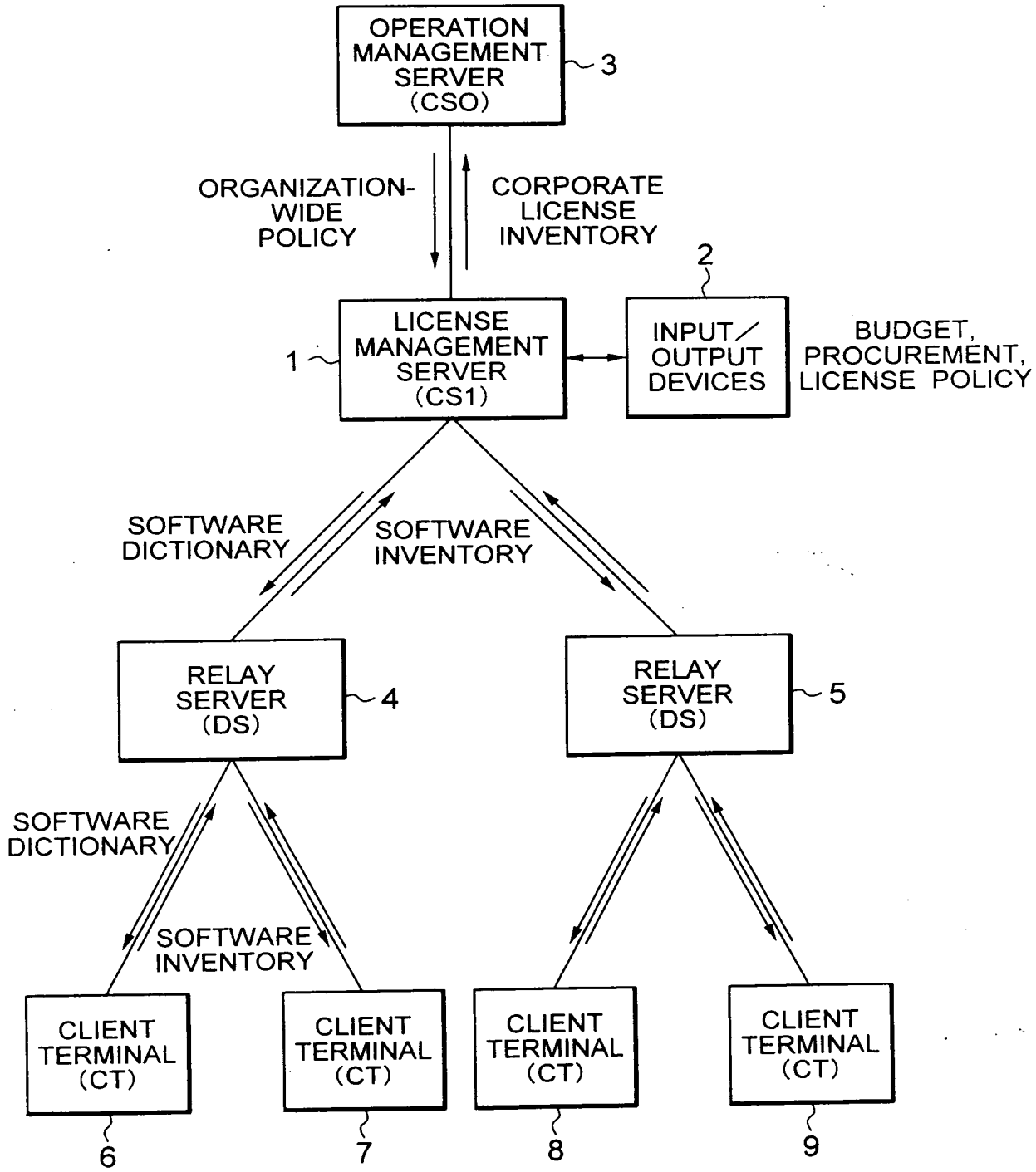

OPERATION MANAGEMENT SERVER (CSO)
3
ORGANIZATION-WIDE POLICY
CORPORATE LICENSE INVENTORY
2
LICENSE MANAGEMENT SERVER (CS1)
1
INPUT/OUTPUT DEVICES
BUDGET, PROCUREMENT, LICENSE POLICY
SOFTWARE DICTIONARY
SOFTWARE INVENTORY
RELAY SERVER (DS)
4
RELAY SERVER (DS)
5
SOFTWARE DICTIONARY
SOFTWARE INVENTORY
CLIENT TERMINAL (CT)
6
CLIENT TERMINAL (CT)
7
CLIENT TERMINAL (CT)
8
CLIENT TERMINAL (CT)
9

FIG. 2

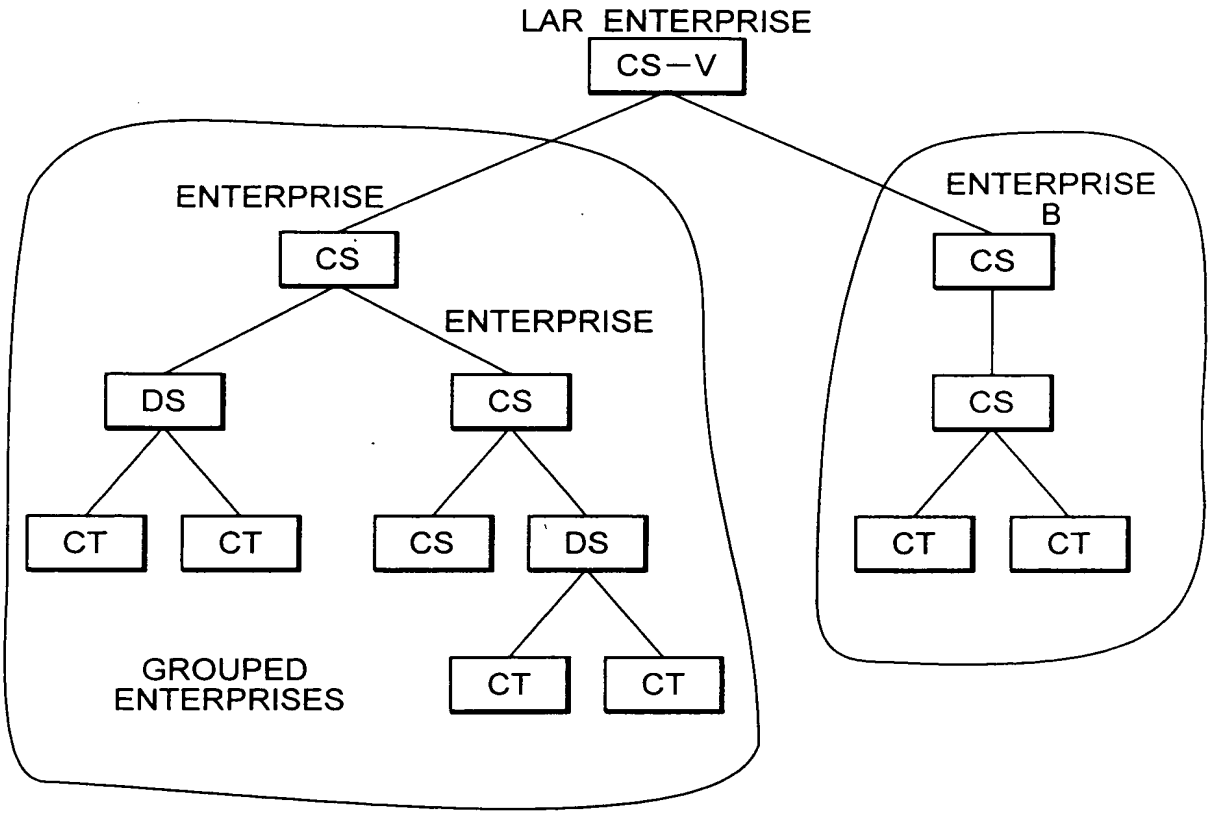

LAR ENTERPRISE
CS—V
ENTERPRISE
CS
ENTERPRISE
DS
CS
CT
CT
CS
DS
CT
CT
GROUPED
ENTERPRISES
ENTERPRISE
B
CS
CS
CT
CT

FIG. 3

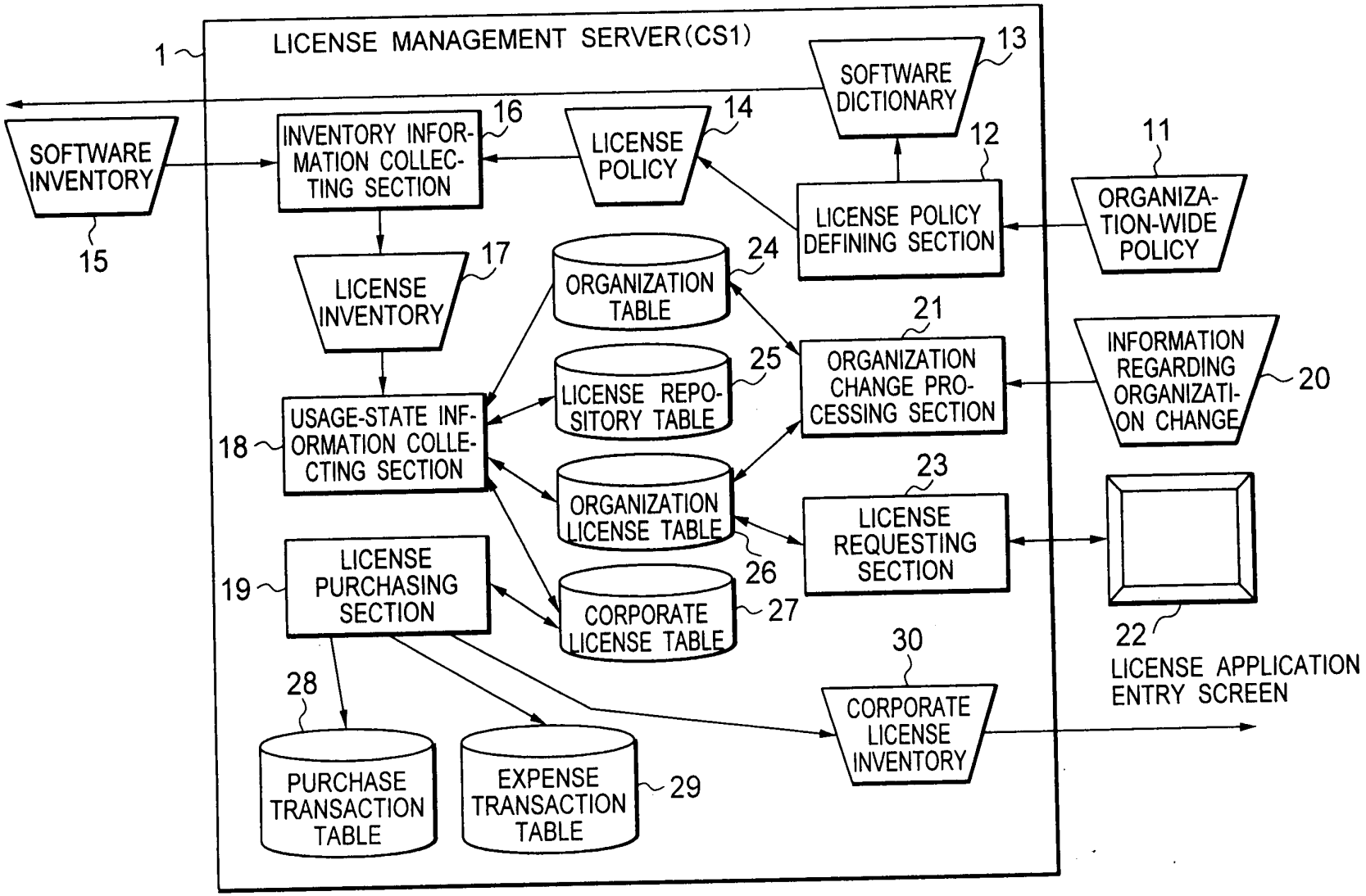

LICENSE MANAGEMENT SERVER(CS1)
1
SOFTWARE DICTIONARY
13
SOFTWARE INVENTORY
15
INVENTORY INFORMATION COLLECTING SECTION
16
LICENSE POLICY
14
LICENSE POLICY DEFINING SECTION
12
ORGANIZATION-WIDE POLICY
11
LICENSE INVENTORY
17
ORGANIZATION TABLE
24
ORGANIZATION CHANGE PROCESSING SECTION
21
INFORMATION REGARDING ORGANIZATION CHANGE
20
LICENSE REPOSITORY TABLE
25
USAGE-STATE INFORMATION COLLECTING SECTION
18
ORGANIZATION LICENSE TABLE
26
LICENSE REQUESTING SECTION
23
LICENSE PURCHASING SECTION
19
CORPORATE LICENSE TABLE
27
22
LICENSE APPLICATION ENTRY SCREEN
28
CORPORATE LICENSE INVENTORY
30
PURCHASE TRANSACTION TABLE
EXPENSE TRANSACTION TABLE
29

FIG. 4A

27

LICENSE CODE	NECESSARY NUMBER	HOLDING NUMBER (Z)	RIGHT NUMBER	REQUEST NUMBER	CORRECTED REQUEST NUMBER	USAGE NUMBER	NEGOTIATED UNIT PRICE
A	4	2	2	0	0	2	1000
B	5	2	2	2	2	1	500

FIG. 4B

26

ORIGANIZATION CODE	LICENSE CODE	NECESSARY NUMBER	RIGHT NUMBER	REQUEST NUMBER	CORRECTED REQUEST NUMBER	USAGE NUMBER
D001	A	2	1	0	0	1
D001	B	2	1	2	2	1
D002	A	2	1	0	0	1
D002	B	3	1	0	0	0

FIG. 4C

24

ORGANIZATION CODE	EMPLOYEE ID	RESPONSIBILITY	INFORMATION FOR CONTACT
D001	P0001		
D002	P0002		
D001	P0003		

FIG. 4D

25

EMPLOYEE ID	EQUIPMENT ID	LICENSE CODE	USAGE NUMBER
P0001	PC01	A	1
P0001	PC01	B	1
P0002	PC02	A	1

FIG. 4E

28

ORDER NUMBER	LICENSE CODE	PURCHASE NUMBER	PURCHASE PRICE	DATE
EX001	A	2	2000	11.29
EX001	B	2	1000	11.29
EX002				

FIG. 4F

29

ORGANIZATION CODE	LICENSE CODE	ORDER NUMBER	EXPENSE	DATE
D001	A	EX001	1000	11.29
D001	B	EX001	500	11.29
D002	A	EX002	1000	11.29
D002	B	EX001	500	11.29

FIG. 4G

17

EMPLOYEE ID	EQUIPMENT ID	LICENSE CODE	USAGE NUMBER
P0002	PC02	A	1
P0002	PC02	B	1

FIG. 5A

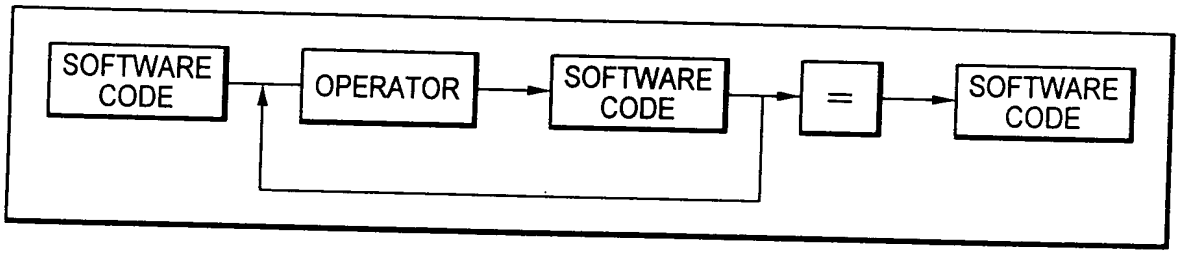


FIG. 5B

```
@MSPPFW95 AND @MSACSV209 = @FJSFNTPV
@FJNTCV11 OR @NAVFORDS9 OR @NAVNRPT19 = @NAVNRPT1
@OTHNUV30 OR @OTHVPV509 AND @OTHOCLWS = @OTHOCLW
    .
    .
    .
```

FIG. 6

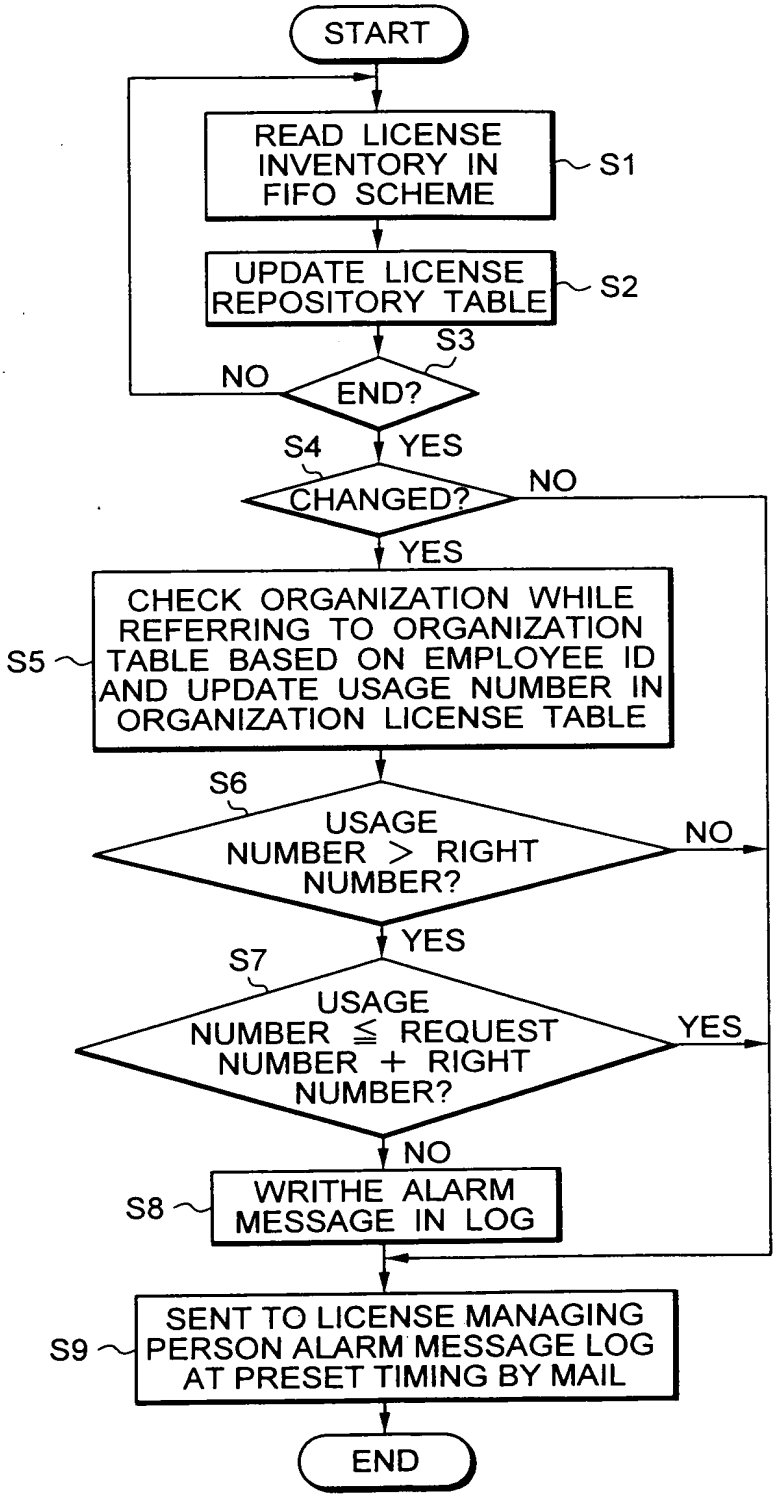

START
READ LICENSE INVENTORY IN FIFO SCHEME
S1
UPDATE LICENSE REPOSITORY TABLE
S2
S3
NO
END?
YES
S4
CHANGED?
NO
YES
CHECK ORGANIZATION WHILE REFERRING TO ORGANIZATION TABLE BASED ON EMPLOYEE ID AND UPDATE USAGE NUMBER IN ORGANIZATION LICENSE TABLE
S5
S6
USAGE NUMBER > RIGHT NUMBER?
NO
YES
S7
USAGE NUMBER ≦ REQUEST NUMBER + RIGHT NUMBER?
YES
NO
WRITHE ALARM MESSAGE IN LOG
S8
SENT TO LICENSE MANAGING PERSON ALARM MESSAGE LOG AT PRESET TIMING BY MAIL
S9
END

FIG. 7

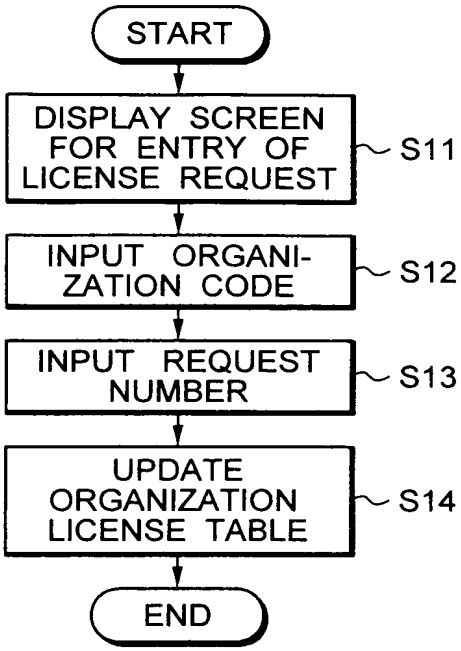

START
DISPLAY SCREEN FOR ENTRY OF LICENSE REQUEST
S11
INPUT ORGANI-ZATION CODE
S12
INPUT REQUEST NUMBER
S13
UPDATE ORGANIZATION LICENSE TABLE
S14
END

FIG. 8

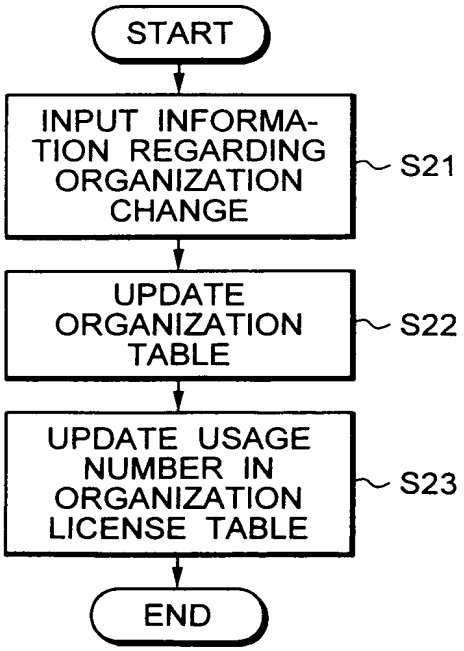

START
INPUT INFORMA-TION REGARDING ORGANIZATION CHANGE
S21
UPDATE ORGANIZATION TABLE
S22
UPDATE USAGE NUMBER IN ORGANIZATION LICENSE TABLE
S23
END

FIG. 9

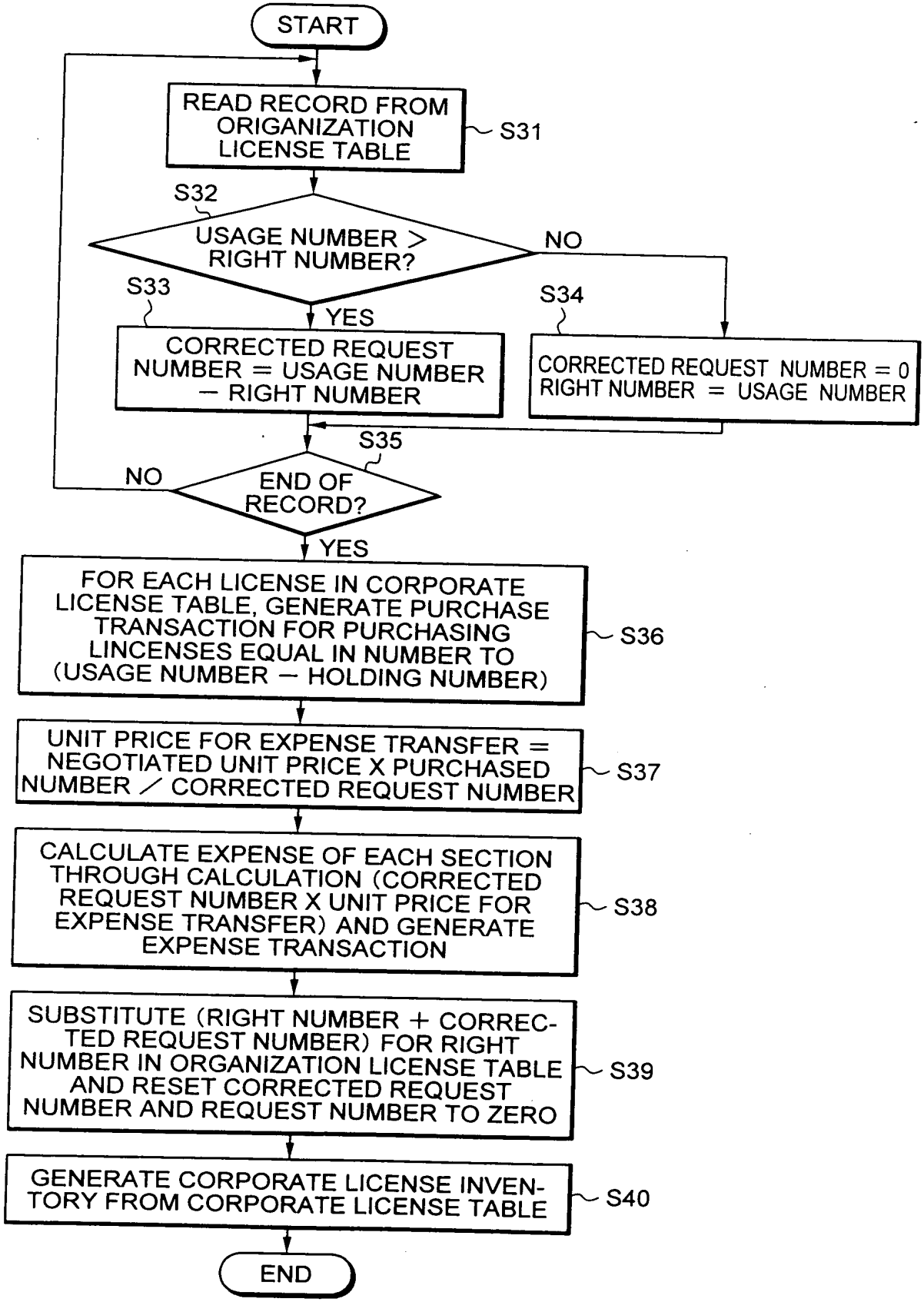

START
READ RECORD FROM ORIGANIZATION LICENSE TABLE
S31
S32
USAGE NUMBER > RIGHT NUMBER?
NO
YES
S33
CORRECTED REQUEST NUMBER = USAGE NUMBER − RIGHT NUMBER
S34
CORRECTED REQUEST NUMBER = 0
RIGHT NUMBER = USAGE NUMBER
S35
NO
END OF RECORD?
YES
FOR EACH LICENSE IN CORPORATE LICENSE TABLE, GENERATE PURCHASE TRANSACTION FOR PURCHASING LINCENSES EQUAL IN NUMBER TO (USAGE NUMBER − HOLDING NUMBER)
S36
UNIT PRICE FOR EXPENSE TRANSFER = NEGOTIATED UNIT PRICE X PURCHASED NUMBER / CORRECTED REQUEST NUMBER
S37
CALCULATE EXPENSE OF EACH SECTION THROUGH CALCULATION (CORRECTED REQUEST NUMBER X UNIT PRICE FOR EXPENSE TRANSFER) AND GENERATE EXPENSE TRANSACTION
S38
SUBSTITUTE (RIGHT NUMBER + CORRECTED REQUEST NUMBER) FOR RIGHT NUMBER IN ORGANIZATION LICENSE TABLE AND RESET CORRECTED REQUEST NUMBER AND REQUEST NUMBER TO ZERO
S39
GENERATE CORPORATE LICENSE INVENTORY FROM CORPORATE LICENSE TABLE
S40
END

FIG. 10A

ORGANIZATION HIERARCHY	LICENSE NAME	UNDER LICENSE MANAGEMENT			USAGE NUMBERS NOT MANAGED		
		HOLDING NUMBER	USAGE NUMBER	EXCESS OR INSUFFICIENCY	PRE-IN-STALLED	MANAGED BY SECTION	OTHERS
− ENTIRE COMPANY							
+ MARKETING DEPARTMENT	PROG−2000	1000	990	10	10	0	0
+ PERSONNEL DEPARTMENT	AB−OFFICE99	500	510	−10	20	0	0
− DEVELOPMENT DEPARTMENT							
− FIRST DEVELOPMENT							
− SECOND DEVELOPMENT							
− AFFILIATED COMPANY A							
− AFFILIATED COMPANY B							

FIG. 10B

ORGANIZATION HIERARCHY	LICENSE NAME	UNDER LICENSE MANAGEMENT			USAGE NUMBERS NOT MANAGED		
		RIGHT NUMBER	USAGE NUMBER	EXCESS OR INSUFFICIENCY	PRE-IN-STALLED	MANAGED BY SECTION	OTHERS
− ENTIRE COMPANY							
+ MARKETING DEPARTMENT	PROG−2000	400	402	−2	5	0	0
+ PERSONNEL DEPARTMENT	AB−OFFICE99	250	255	−5	10	0	0
− DEVELOPMENT DEPARTMENT							
− FIRST DEVELOPMENT							
− SECOND DEVELOPMENT							
− AFFILIATED COMPANY A							
− AFFILIATED COMPANY B							

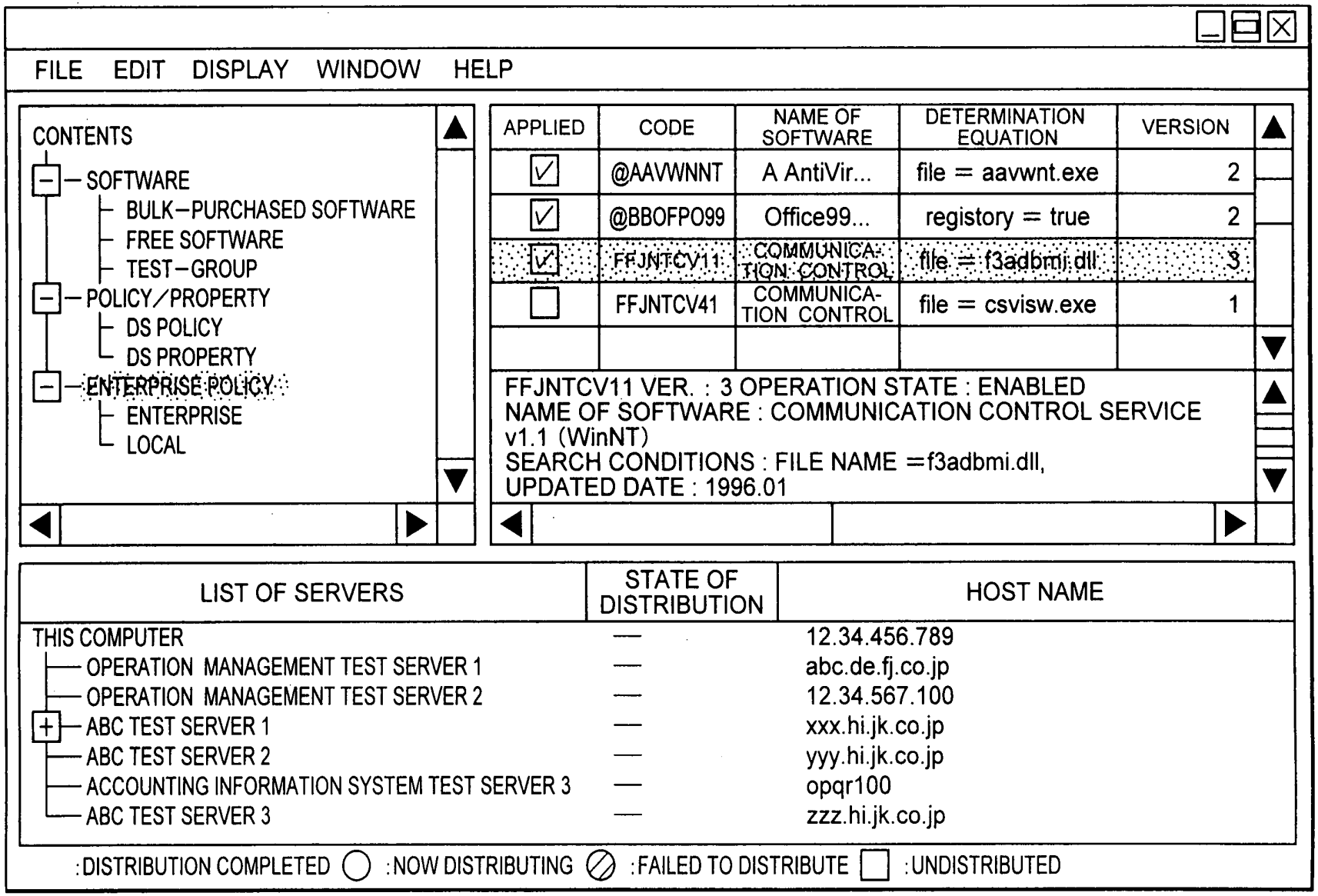
FIG. 10C

ORGANIZATION HIERARCHY	LICENSE NAME	UNDER LICENSE MANAGEMENT			USAGE NUMBERS NOT MANAGED		
		RIGHT NUMBER	USAGE NUMBER	EXCESS OR INSUFFICIENCY	PRE-IN-STALLED	MANAGED BY SECTION	OTHERS
− ENTIRE COMPANY							
+ MARKETING DEPARTMENT	PROG−2000	20	10	10	0	0	0
+ PERSONNEL DEPARTMENT	AB−OFFICE99	0	0	0	0	0	0
− DEVELOPMENT DEPARTMENT							
− FIRST DEVELOPMENT							
− SECOND DEVELOPMENT							
− AFFILIATED COMPANY A							
− AFFILIATED COMPANY B							

FIG. 10D

ORGANIZATION HIERARCHY	LICENSE NAME	UNDER LICENSE MANAGEMENT			USAGE NUMBERS NOT MANAGED		
+ ENTIRE COMPANY		RIGHT NUMBER	USAGE NUMBER	EXCESS OR INSUFFICIENCY	PRE-IN-STALLED	MANAGED BY SECTION	OTHERS
− AFFILIATED COMPANY A	PROG−2000	50	50	0	0	0	0
− AFFILIATED COMPANY B	AB−OFFICE99	100	100	0	0	0	0

FIG. 11


FILE EDIT DISPLAY WINDOW HELP
CONTENTS
SOFTWARE
BULK-PURCHASED SOFTWARE
FREE SOFTWARE
TEST-GROUP
POLICY/PROPERTY
DS POLICY
DS PROPERTY
ENTERPRISE POLICY
ENTERPRISE
LOCAL
APPLIED
CODE
NAME OF SOFTWARE
DETERMINATION EQUATION
VERSION
@AAVWNNT
A AntiVir...
file = aavwnt.exe
2
@BBOFPO99
Office99...
registory = true
2
FFJNTCV11
COMMUNICATION CONTROL
file = f3adbmj.dll
3
FFJNTCV41
COMMUNICATION CONTROL
file = csvisw.exe
1
FFJNTCV11 VER. : 3 OPERATION STATE : ENABLED
NAME OF SOFTWARE : COMMUNICATION CONTROL SERVICE v1.1 (WinNT)
SEARCH CONDITIONS : FILE NAME =f3adbmi.dll,
UPDATED DATE : 1996.01
LIST OF SERVERS
STATE OF DISTRIBUTION
HOST NAME
THIS COMPUTER
OPERATION MANAGEMENT TEST SERVER 1
OPERATION MANAGEMENT TEST SERVER 2
ABC TEST SERVER 1
ABC TEST SERVER 2
ACCOUNTING INFORMATION SYSTEM TEST SERVER 3
ABC TEST SERVER 3
12.34.456.789
abc.de.fj.co.jp
12.34.567.100
xxx.hi.jk.co.jp
yyy.hi.jk.co.jp
opqr100
zzz.hi.jk.co.jp
:DISTRIBUTION COMPLETED
:NOW DISTRIBUTING
:FAILED TO DISTRIBUTE
:UNDISTRIBUTED